20020304.qrp v02_n484.qrl.20020304

Date: Mon, 4 Mar 2002 19:03:09 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2484

QRP-L Digest 2484

Topics covered in this issue include:

  1) [121214] Re: Oscilloscope Elmer needed in the Denver area! (I'll bring Lunch!)
     by "Mike Yetsko" <myetsko@insydesw.com>
  2) [121215] Re: coax
     by "Pat J. Whelton" <pwhelton@hal-pc.org>
  3) [121216] Re: Open Wire Transmission Line
     by "Pat J. Whelton" <pwhelton@hal-pc.org>
  4) [121217] Re: Open Wire Transmission Line
     by "Lee Mairs" <lmairs@cox.rr.com>
  5) [121218] HW-7 Manual
     by Elliott Lawrence <edl@pacbell.net>
  6) [121219] Re: ARRL DX: 100!
     by "K7FD N7SG" <k7fd@hotmail.com>
  7) [121220] ARRL DX QRP
     by "Alan Kaul" <alan.kaul@worldnet.att.net>
  8) [121221] Re: Open Wire Transmission Line
     by MIKE SOUHRADA <wb9iog@revealed.net>
  9) [121222] Re: Open Wire Transmission Line
     by "Jim Stamper" <jstamper@shentel.net>
 10) [121223] CUB FOX 03-05-02(03-06-02 z)
     by Fred Lesnick <flesnick@tbaytel.net>
 11) [121224] Re: ARRL DX QRP
     by "K7FD N7SG" <k7fd@hotmail.com>
 12) [121225] Re: A&A Engineering
     by "Tom" <thom2@worldnet.att.net>
 13) [121226] RE: Keyer question - Slow Vs Fast Keying - comment
     by "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
 14) [121227]
     by =?iso-8859-1?q?colin=20mackay?= <motorspatz@yahoo.co.nz>
 15) [121228] Stinger Singer Frequency Counter
     by "Bob Hightower" <nk7m@extremezone.com>
 16) [121229] Re:
     by "Winston F. Jones" <winjones@ix.netcom.com>
 17) [121230] Re: Open Wire Transmission Line
     by "James R. Duffey" <jamesd1@flash.net>
 18) [121231] ARRL DX INT TOTALS
     by "George Osier" <gosier@twcny.rr.com>

19) [121232] Equivalent Radius of Flat Strip
    by "James R. Duffey" <jamesd1@flash.net>
20) [121233] RE: Open Wire Transmission Line
    by "Bill & Linda Milligan" <milligan@charter.net>
21) [121234] Re: Help on setting up my first station.
    by "James R. Duffey" <jamesd1@flash.net>
22) [121235] How to get your ARRL score to contesting reflector
    by "Alan Kaul" <alan.kaul@worldnet.att.net>
23) [121236] RE: Open Wire Transmission Line
    by W2SH@aol.com
24) [121237] Re: Open Wire Transmission Line
    by "Mike Branca" <w3irz@att.net>
25) [121238] ARRL DX SSB
    by "Floyd Smithberg" <nq7x@earthlink.net>
26) [121239] Re: Open Wire Transmission Line
    by "John Moriarity" <k6qq@hdo.net>
27) [121240] Re: Open Wire Transmission Line entry (long post)
    by Don <dwittlic@APCI.net>
28) [121241] Small Enclosures
    by "Mike Standbridge" <ve7mst@goldcity.net>
29) [121242] Time for NoVaQRP again
    by "William K. Harding" <k4ahk@ix.netcom.com>
30) [121243] Re: ARRL DX: 100!
    by bejones@hursley.ibm.com
31) [121244] Re: 30m 2002 DX so Far
    by Steve Yates - AA5TB <aa5tb@arrl.net>
32) [121245] Re: Open Wire Transmission Line
    by "Cla KA0GKC" <ka0gkc@arrl.net>
33) [121246] Re: 30m 2002 DX so Far
    by "Rod N0RC" <rod@n0rc.com>
34) [121247] Re: HW-7 Manual---Sold
    by Elliott Lawrence <edl@pacbell.net>
35) [121248] RE: Open Wire Transmission Line
    by "Brad Hernlem" <alihernlem@hotmail.com>
36) [121249] Need clearing up
    by "Ingo, DK3RED" <dk3red@t-online.de>
37) [121250] Need clearing up (2)
    by "Ingo, DK3RED" <dk3red@t-online.de>
38) [121251] Mailing List for QRP Quarterly
    by Mark R Milburn <mark.milburn@juno.com>
39) [121252] Tuner for Trade
    by Harris Keith E CONT CNIN <harris_k@crane.navy.mil>
40) [121253] Slightly OT, but definitely construction Fun!
    by "Mike Boatright" <ko4wx@mindspring.com>
41) [121254] OT: Looking for photocopy of manual for old laptop
    by Mark Fields <mark_ke5my@juno.com>
42) [121255] Re: Oscilloscope Elmer needed in the Denver area! (I'll bring
Lunch!)

    by Norm Melick <henmel@worldnet.att.net>
43) [121256] RE: Slightly OT, but definitely construction Fun!
    by Mark Schoonover <schoon@amgt.com>
44) [121257] Re: Small Enclosures
    by David Hinerman <WD8CIV@worldnet.att.net>
45) [121258] Re: Small Enclosures
    by "Rob Matherly" <kc0bom@arrl.net>
46) [121259] Re: Small Enclosures
    by "Brian" <brian@iquest.net>
47) [121260] Re: Small Enclosures
    by "Rob Matherly" <kc0bom@arrl.net>
48) [121261] RE: Coax
    by W2SH@aol.com
49) [121262] RE: Not QRP! Need a small set of 'boots'?
    by W2SH@aol.com
50) [121263] Re: Open Wire Transmission Line
    by "W2WU" <w2wurjj@verizon.net>
51) [121264] Re: Not QRP! Need a small set of 'boots'?
    by Bruce Muscolino <w6toy@erols.com>
52) [121265] RE: Slightly OT, but definitely construction Fun!
    by "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
53) [121266] Re: Open Wire Transmission Line
    by "Karl F. Larsen" <k5di@zianet.com>
54) [121267] OT: Value of Heathkit Oscilliscope?
    by "Rob Matherly" <kc0bom@arrl.net>
55) [121268] Re: GB> OT: Value of Heathkit Oscilliscope?
    by "Brad Hernlem" <alihernlem@hotmail.com>
56) [121269] Re: GB> OT: Value of Heathkit Oscilliscope?
    by "Rob Matherly" <kc0bom@arrl.net>
57) [121270] RE: Value of Heathkit Oscilliscope?
    by "Thor - N9IK" <n9ik@thorlind.com>
58) [121271] For trade or Sale
    by Mercxx@aol.com
59) [121272] April 5, 2002
    by "Ron Polityka" <wb3aal@fast.net>
60) [121273] Re: Open Wire Transmission Line
    by "Trevor Jacobs" <fxtech@earthlink.net>
61) [121274] Re: Value of Heathkit Oscilliscope?
    by "Rob Matherly" <kc0bom@arrl.net>
62) [121275] Great remote control program - VNC
    by Jim Larsen - AL7FS <AL7FS@ARRL.NET>
63) [121276] Re: Not QRP! Need a small set of 'boots'?
    by <winjones@ix.netcom.com>
64) [121277] Re: Open Wire Transmission Line
    by "Pastor-KC1DI" <elbc@pivot.net>
65) [121278] TEA5551
    by nilsbull@juno.com
66) [121279] Re: Open Wire Transmission Line

    by "Pastor-KC1DI" <elbc@pivot.net>
 67) [121280] Re: Open Wire Transmission Line
    by "Karl F. Larsen" <k5di@zianet.com>
 68) [121281] RE: TEA5551
    by "Ed Tanton" <n4xy@earthlink.net>
 69) [121282] Re: OH0NL (That's OHzeroNL) Legit or Pretender?
    by Damon Raphael <w7md@azstarnet.com>
 70) [121283] AA4XX 30M 100uW QRSS Beacon summary
    by Paul Stroud <aa4xx@ipass.net>
 71) [121284] Chassis Mount N Connector Needed
    by Ed Kessler <edkess@pa.net>
 72) [121285] logging programs
    by David Gilson <kd3em@velocity.net>

Date: Sun, 3 Mar 2002 19:11:20 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <n0dsp@msn.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [121214] Re: Oscilloscope Elmer needed in the Denver area! (I'll bring Lunch!)
Message-ID: <009e01c1c311$1e378560$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Man, for a lunch off? You can drive to New England!!

Seriously, I hope you find someone to teach you how to use a scope.
Once you get the mindset, they are AMAZINGLY simple, and even
MORE amazingly helpful!

I'm not familiar with your scope model. Is that a digital? I picked up a
Fluke ScopeMeter last summer and that took some learning!

Mike

----- Original Message -----
From: "Tom Little" <n0dsp@msn.com>

> Hi guys!
>
> I am currently building a 2N2-40 Manhattan style. I have it completed
and am checking out the reciever. I'm having a little trouble and need to

troubleshoot the rig. The good news is, I have a scope!!! The bad news is, I don't know how to use it!!! Bummer!
>
> I would love to bring the 2N2-40, my scope (a Tektronix 7603), the scope manual and LUNCH to you! I would REALLY appreciate your help! I'll drive to Fort Collins or Colorado Springs or anywhere in between!!!
>
> I'll even be in Colorado Springs next weekend if you are in that area.
>
> Can you help a frustrated rookie??   :)
>
> Thanks!
>
> Tom Little
> N0DSP
>
> Bailey, CO
>
>
> ---

> Chat with friends online, try MSN Messenger: Click Here
>
>

Date: Sun, 3 Mar 2002 18:09:40 -0600
From: "Pat J. Whelton" <pwhelton@hal-pc.org>
To: <carlseye@tampabay.rr.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [121215] Re: coax
Message-ID: <0ba101c1c310$e2412de0$d388fea9@halpc.org>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Carl. You might try The Wireman at http://www.thewireman.com/.

Pat - KZ5J

----- Original Message -----
From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, March 03, 2002 3:43 PM
Subject: coax

> I seem to have lost my list of coax cable suppliers and now I need a few
> feet of teflon coax the same size as RG174. who knows where to find it???
>   carl / kz5ca
>

Date: Sun, 3 Mar 2002 18:15:18 -0600
From: "Pat J. Whelton" <pwhelton@hal-pc.org>
To: <n9avg@att.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [121216] Re: Open Wire Transmission Line
Message-ID: <0bb401c1c311$abb96980$d388fea9@halpc.org>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jeff. You must not have aluminum framed windows. That sounds like a direct
short with my windows.

Pat - KZ5J

----- Original Message -----
From: "Jeff Davis" <n9avg@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, March 03, 2002 5:53 PM
Subject: Re: Open Wire Transmission Line

> Hello George.
>
> I have had excellent results by drilling two small holes in the sill
> of window such that I can insert two long, machined bolts. Something
> like a 2.5 inch long by 10-24 thread. I put nuts and washers on both
> sides which allows me to attach the ladder line with ring terminals on
> either side. With it all tightened down and ladder line on the inside
> with ring terminals on those long bolts it makes for a clean
> installation and it works well.
>
> Where I drilled the holes is easily covered by the drapes so the XYL
> doesn't have to see anything too ugly and when we move out of here I
> can either take the bolts out and fill things in with a little putty
> or let the next owners try and figure out what the heck those two long

> bolts going through the window sill were for!
>
> Good luck, I think that you will like going to an open wire feed
> system.
>
> 72/73 de Jeff, N9AVG
>
>
> ----- Original Message -----
> From: "George Reeves" <reeves@abraxis.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Sunday, March 03, 2002 6:41 PM
> Subject: Open Wire Transmission Line
>
>
> All my life I have used coax to feed my dipole antennas.
> Consequently,
> I have not operated on some of the bands, particularly the WARC bands,
> because I didn't have a dipole for the band. I am seriouly
> considering
> using open-wire feeders with an antenna tuner.
>
> I would appreciate any suggestions for routing the feeders into the
> shack. My shack is on the ground floor and has access to a window
> where
> the feeders could be routed. My question, for example, would be:
> should
> I use feed-thru connectors through a sheet of plywood? or how else?
>
> Thanks for any suggestions.
>
> George
> WA4TNU
>
>

Date: Sun, 3 Mar 2002 19:30:45 -0500
From: "Lee Mairs" <lmairs@cox.rr.com>
To: <reeves@abraxis.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [121217] Re: Open Wire Transmission Line
Message-ID: <01d801c1c313$d338e240$6401a8c0@cox.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I cut a 2x4 to the width of the window and installed rubber gasket material
on both the top edge and bottom edge so that the window will close on the
2x4 and keep out the cold/heat. I drill a hole for coax and then a series
of tiny holes for the open-wire. Works great.
73 de Lee, km4yy

It is difficult to produce a television documentary that is both incisive
and probing when every twelve minutes one is interrupted by dancing rabbits
singing about toilet paper.
  --Rod Serling

----- Original Message -----
From: "George Reeves" <reeves@abraxis.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, March 03, 2002 6:41 PM
Subject: Open Wire Transmission Line

> All my life I have used coax to feed my dipole antennas. Consequently,
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> because I didn't have a dipole for the band. I am seriouly considering
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> shack. My shack is on the ground floor and has access to a window where
> the feeders could be routed. My question, for example, would be: should
> I use feed-thru connectors through a sheet of plywood? or how else?
>
> Thanks for any suggestions.
>
> George
> WA4TNU
>

Date: Sun, 03 Mar 2002 16:32:23 -0800
From: Elliott Lawrence <edl@pacbell.net>
To: Low Power/QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [121218] HW-7 Manual
Message-ID: <3C82C096.18D6F6D5@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

I have just found in my "stuff" an unused HW-7 manual. It is in
excellent condition with no chekc marks etc. It has been drilled for
insertion into a 3 ring binder. The cover price in 1970s dollars is
$2.00.

If anyone is interested tell what it is worth plus mailing costs.

72
Elliott WA6TLA

Date: Sun, 03 Mar 2002 17:03:09 -0800
From: "K7FD N7SG" <k7fd@hotmail.com>
To: at902@tcnet.org
Cc: elecraft@mailman.qth.net, qrp-l@Lehigh.EDU
Subject: [121219] Re: ARRL DX: 100!
Message-ID: <F208NFr9oD6XMLDthOD00003122@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Good eyes, Ken! Nr 19 is actually a good qso with 8P6SH (that I later duped
towards the end) and somehow it got dropped from the log following OH8L...

I double checked, but should have triple checked!! Started going cross-eyed
so pressed SEND, hi!

73 John K7FD

>Aren't OH6RX (#14) and OH8L (#19) in the same country?
>
>Still much better job than I did.
>
>Ken McGuire
>KC8LTL in EN74cp
>at902@tcnet.org
>

_____
MSN Photos is the easiest way to share and print your photos:
http://photos.msn.com/support/worldwide.aspx

Date: Sun, 3 Mar 2002 17:44:21 -0800
From: "Alan Kaul" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121220] ARRL DX QRP
Message-ID: <000901c1c31e$1ecd70e0$af25cd18@charterpipeline.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My bragging rights are severely limited when compared to John K7FD, but I did have a great time on 10M with an FT-817, 2-el Yagi at 50 feet. Software=TR-log. (Unfortunately I had to use the mobile hand mic--I couldn't find a boom mic to fit the Yaesu modular plug---perhaps at Dayton!).

I worked about 6-7 hours over the 48-hour contest. Following results:

   10SSB   QSO=   140   DXCC entities=   43

    Final Score = 18060 points.
 Soapbox Comments

 Great contest--wonderful 10M propagation. Who said the solar cycle has peaked??

I had a great time --- and scored much better than I did during the ARRL CW contest (60 Q's on 40 and 10 m), which I took part in while on a family ski vacation to Mammoth Mountain, CA, with "compromise antennas!!"

BREAKDOWN::: I had 60 JA stations in the log, 34 Europeans, 18 South Americans, 11 "other North America," 11 Oceania, 5 "other Asia," and 1 Africa.

Next major SSB contest is the CQ WPX coming up later this month. Next big CW contest is Memorial Day Weekend in May -- the CQ WPX CW!

Whether you like them or not, contests are a great way to build up your DXCC country totals.

72/73 de W6RCL

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org

http://home.att.net/~alan.kaul/index.html

Date: Sun, 03 Mar 2002 19:47:01 -0600
From: MIKE SOUHRADA <wb9iog@revealed.net>
To: reeves@abraxis.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [121221] Re: Open Wire Transmission Line
Message-ID: <3C82D215.68175753@revealed.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

George
I'm in the same boat. I've had some 12GA 450 ohm ladder line for years and finally
got the time to begin installation.
I have my shack in the basement just below an aluminum window that opens like a
clamshell. It can be removed easily.
I made a duplicate of the window from 3/8" plywood and cut out a smaller window to fit a piece of 1/4" plexiglass that was savaged from a large printer.
I sealed that to the plywood with foam door insulation material and bolted the
pieces together. Size approx 18" x 12".
The feed through for the ladder line are ceramic standoff insulators also salvaged
and as long as I was on the project added a 3" SO239 type feed through for coax
and added a threaded bolt for more ground improvement.
I fed the insulator to the tuner with a short length of 450 ohm window line.

Project is not done but as soon as the wx gets better will put the feed line up.

Mike
Iowa
10" of snow and degrees.

> All my life I have used coax to feed my dipole antennas.
the feeders could be routed. My question, for example, would be: should
> I use feed-thru connectors through a sheet of plywood? or how else?
George
WA4TNU

Date: Sun, 3 Mar 2002 21:23:10 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
        <reeves@abraxis.com>
Subject: [121222] Re: Open Wire Transmission Line
Message-ID: <002501c1c323$946d7e80$fb606fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

George,

I think I got the following from Hints and Kinks around 1973.

For the same problem I drilled a pair of quarter inch holes in the wood of the window at the bottom right under the glass. Then I took four flat plastic medicine bottle caps and made holes in their centers with a hot nail. I ran the feedline through one cap, then through a drilled hole in the window and then through the other cap. I next cemented the caps over the holes with some rubbery silicone cement like you use to caulk around bathtubs. I used "real" open wire line with homemade spacers. On the outside I let the feedline droop below the window so any water running down it would drip onto the ground. Inside it ran to a boat anchor Viking antenna match which I sure wish I had never given away. The whole thing worked like a charm.

When we moved I cut the feeder, pulled the wires through and left the caps cemented onto the window for the next home owner. AFIK the caps are still there.

73,
jim-
KG4LDY
James H. Stamper
519 Park Avenue
Woodstock, VA 22664-1260
540-459-8350

----- Original Message -----
From: "George Reeves" <reeves@abraxis.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, March 03, 2002 6:41 PM
Subject: Open Wire Transmission Line

> All my life I have used coax to feed my dipole antennas. Consequently,
> I have not operated on some of the bands, particularly the WARC bands,
> because I didn't have a dipole for the band. I am seriouly considering
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> I would appreciate any suggestions for routing the feeders into the
> shack. My shack is on the ground floor and has access to a window where
> the feeders could be routed. My question, for example, would be: should
> I use feed-thru connectors through a sheet of plywood? or how else?
>
> Thanks for any suggestions.
>
> George
> WA4TNU
>

Date: Sun, 03 Mar 2002 21:28:42 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: "QFOX@egroups.com" <QFOX@egroups.com>,
        QRP Canada <qrp-canada@neale.gpfn.sk.ca>,
Subject: [121223] CUB FOX 03-05-02(03-06-02 z)
Message-ID: <3C82DBDA.4C03C4@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

 Folks:
 Here goes my last bat as CUB FOX for the season. I will be the FOX for
Tuesday March 5-02 (Wed Mar 6-02 z)., I will try and operate around
7.053, and will listen down. I will try and work split the first hour,
and simplex the second half. Hope the band is better then last Thursday.
I want to thank all the Foxiis, Hounds, and our fearless leaders who
helped to make this season an enjoyable one(YEA RAIDERS, Great Score).
Hope to see you all this summer, and durting the next season, I also
hope we see some new blood working some of the FOX positions, so some of
us can sit back and listen to the music that we QRPers generate.

Thanks
Fred
VE3FAL
VA3SBB/B QRP 10 meter beacon 28.241

Date: Sun, 03 Mar 2002 18:32:34 -0800
From: "K7FD N7SG" <k7fd@hotmail.com>
To: alan.kaul@worldnet.att.net, qrp-l@Lehigh.EDU
Subject: [121224] Re: ARRL DX QRP
Message-ID: <F144G0XNkiyPgQH0xdF0000ec32@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

That's what it all about, having a good time! Definitely a great way to pick up new ones or attempt a personal challenge. Normally I'm not an SSB contester (especially low power) but when I saw the solar numbers heating up all week I got excited about trying my luck.

One of the highlights of the contest started when I saw A41LZ posted on the dxcluster -- on ten meters late in the evening! Here's a guy who's had over 5000 lookup's on qrz.com but when I called, he said "Fox Delta? That's my good friend, John...you're 59" -- a stretch on both counts but sure made me feel great, hi!

Toughest qso that never happened was with YP3R. Much to his credit he tried for over FIVE minutes to get my suffix. But we never could connect...he got an 'A' for effort, I got an 'F' for the log...

73 John K7FD, putting the mic back in the drawer...

Alan wrote:
>
>I had a great time --- and scored much better than I did during the ARRL
>CW...

72/73 de W6RCL

_____
Get your FREE download of MSN Explorer at http://explorer.msn.com/intl.asp.

Date: Sun, 3 Mar 2002 21:26:15 -0500
From: "Tom" <thom2@worldnet.att.net>
To: <n2icz@hotmail.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121225] Re: A&A Engineering
Message-ID: <002b01c1c325$42e69ae0$3adc580c@1xjhu>

MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Is A&A the outfit that makes (made) a fairly inexpensive frequency counter?
I built one, but never got around to putting in a case...

Tom
WB2QDG

Friend of Bill W.
   --- If you are too, drop me a line.

-----Original Message-----
From: Larry Spinner <n2icz@hotmail.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Thursday, February 28, 2002 7:18 AM
Subject: RE: A&A Engineering

>Thnk you for all your responses regarding A&A Rigs... Concensus is GOOD!
:)
>Now...one more thing to ask the XYL for permission...
>
>Regards,
>
>Larry-N2ICZ
>
>
>> They are excellent performers, but no longer in production. They have a
>> nice receiver made for CW use, have adequate, stable, clean output, and
>have
>> full break-in.
>
>> If you find one, jump on it...
>

Date: Sun, 3 Mar 2002 21:42:28 -0500
From: "Brian B. Riley \(N1BQ\) ListAcct" <n1bq_list@wulfden.org>
To: "George, W5YR" <w5yr@att.net>, <n1bq_list@wulfden.org>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121226] RE: Keyer question - Slow Vs Fast Keying - comment
Message-ID: <NLECJEINFMOPPBOKKBNEAEMMDCAA.n1bq_list@wulfden.org>
MIME-Version: 1.0

Content-Type: text/plain;
        charset="US-ASCII"
Content-Transfer-Encoding: 7bit

George,

 Thabnks for the comprehensive reply .... I think I pretty well already knew/felt most of what you said ... I guess I was asking the question rhetorically ... it was intimated that the speed demons will get upset because they have to interupt the rhythm of their nearly automatically logged data to put in the 'real data'. My opinion, and I will qualify it by reiterating my relative inexperience, is that this compromises the spirit of the exchange. Since the same number is sent and copied dowm regardless of what the actual report shold have been ... sigh!

 I am all too well aware of the RST report being a 'guide point.' In the few CW contests in which I have operated, the sound of "didahdit-dididit-dah" followed by a number set, usually 559, 599, or 5NN, is what gets me setup to grab the rest ... I probably can copy contest exchanges at about 5-7 wpm higher than my ragchew speed because of this ... as you said ...

 ... OK down off my little soapbar wrapper ... cheers ... brian, n1bq

-----Original Message-----
From: George, W5YR [mailto:w5yr@att.net]
Sent: Sunday, March 03, 2002 1:44 PM
To: n1bq_list@wulfden.org
Cc: Low Power Amateur Radio Discussion
Subject: Re: Keyer question - Slow Vs Fast Keying - comment

Brian, a lot of contests are really quite old, some dating back to the 30's. I suspect that the original sponsors of these included the signal report as a piece of data that made sense to exchange and could be useful, etc. And in those days, the signal report was a valued part of every QSO. Most folks tended to use about the same caliber of gear and antennas and were generally of the same experience level if they were in the contest, etc. So, things sorta worked out, the contests were successful and useful and started a tradition of including a signal report in the exchange.

Nowadays, signal reports are widely variable among different operators with a broad spectrum of radios, antennas, experience, etc. As we all know, signal reports today are of little actual use unless the op at the other end is responding to a request for a "real" signal report. It is a shame, in a way, since an accurate signal report - if such a thing existed - would be a useful data point when evaluating a new radio or antenna.

One other point that I feel is frequently overlooked is that the requirement is usually stated for *a* signal report, as compared to *the* signal report. Hence the letter, if not the spirit, of the rule is followed by sending *any* signal report regardless of its accuracy or validity. In this day of memory and computer keyers and logging programs, *a* signal report has by default become simply "59" or "5NN".

One other function of the signal report in an exchange is that it acts as a place holder to help the op at the receiving end to follow the exchange in the event of QRM/QRN which could knock out parts of the exchange. Everything the Fox sends, other than the Hound's call at the start and again at the end of the exchange, is unnecessary and redundant since everyone already knows what will be sent. But it is sent each time for good and sufficient reasons.

At one time I argued for leaving out everything except the Hound's call, sent twice (for confirmation) in the manner of many DX pileups where the caller's callsign is only sent once. But, the more I participated in the Hunts, the more I came to rely upon the presence of all parts of the exchange to help me keep in step with the Fox, especially those that were -S1 most of the time.

Don't sell yourself short on the ability to copy contest exchanges. Even if it sounds like a blur of sound at first, you know the "script" and after listening to even a fast station a few times, you will find that you can begin to pick out more and more of what is being sent.

Again, though, the bottom line is that most contest rules require that *a* signal report be sent, not *the* signal report that might actually mean something.

72/73/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

"Brian B. Riley (N1BQ) ListAcct" wrote:
>
> Excuse me for being ignorant here , but was is the point of even sending it,
> if it is always 5NN?? Seems to me that the current process has been
> compromised. Too bad if its slows down their automatic loggers. If it takes
> longer to log a validly sent RST report then so be it. That more

accurately
> reflects the process.
>
> I am not so sure I will ever be quick/good enough to copy code in a
contest
> at this level ... so I guess this is just an academic observation ...

Date: Mon, 4 Mar 2002 15:46:52 +1300 (NZDT)
From: =?iso-8859-1?q?colin=20mackay?= <motorspatz@yahoo.co.nz>
To: qrp-l@Lehigh.EDU
Message-ID: <20020304024652.14508.qmail@web11804.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

I am the now the proud owner of a Tentec Century 21
transceiver. I have no manual though.
Would someone mind letting me know where I could find
a schematic and modifications to the Century 21 on the
NET.

I would very appreciative

Cheers Colin Mackay
ZL1BTT

http://movies.yahoo.com.au - Yahoo! Movies
- Vote for your nominees in our online Oscars pool.

Date: Sun, 3 Mar 2002 19:49:34 -0700
From: "Bob Hightower" <nk7m@extremezone.com>
To: "qrp list" <qrp-l@lehigh.edu>
Subject: [121228] Stinger Singer Frequency Counter
Message-ID: <001501c1c327$382d0560$12127d3f@nk7m>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We're getting close to the end of the run.....there are 60 counters left,
and there will be no more after they run out.

This is a handy little counter that announces the frequency in CW, a neat
little piece of test equipment.

For more details, go to http://www.extremezone.com/~nk7m/cwafc.htm.

If you want one, you can order from there, either be mail or through PayPal.

Bob NK7M

Date: Sun, 3 Mar 2002 21:56:30 -0500
From: "Winston F. Jones" <winjones@ix.netcom.com>
To: <motorspatz@yahoo.co.nz>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [121229] Re:
Message-ID: <001001c1c328$304f5c20$d7a65b40@winston>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You can get manual copies from Ten-Tec (www.tentec.com) and several of the
manual people on the web. Also, on the Ten-Tec website, click on the button
for used equipment. It gives you a link to a website with info about old
Ten-Tec gear. That website also has info on modifications.
Hope this helps.
73, Winston K4CWQ

----- Original Message -----
From: "colin mackay" <motorspatz@yahoo.co.nz>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, March 03, 2002 21:46 PM

> I am the now the proud owner of a Tentec Century 21
> transceiver. I have no manual though.
> Would someone mind letting me know where I could find
> a schematic and modifications to the Century 21 on the
> NET.
>
> I would very appreciative
>

> Cheers Colin Mackay
> ZL1BTT
>
>
> http://movies.yahoo.com.au - Yahoo! Movies
> - Vote for your nominees in our online Oscars pool.

Date: Sun, 03 Mar 2002 20:03:17 +0000
From: "James R. Duffey" <jamesd1@flash.net>
To: <reeves@abraxis.com>
Cc: qrp-l <qrp-l@lehigh.edu>
Subject: [121230] Re: Open Wire Transmission Line
Message-ID: <B8A83205.12616%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

George - The plywood should work OK. Be sure to weatherproof it so that it does not absorb moisture.

It sounds like you may have double hung windows. A quick and dirty way to get feedlines through these windows is to use the foam insulators for hot water pipes. Wrap one one around the bottom of the window, and put one on the sill. Run the open wire feeders between the foam insluators and close the window on it. This provides a weather seal and insulation for the feeder. You can also feed coax throught his way, but you may need to notch the foam for the bigger diameter coaxes like RG-8.

Are you really using open wire feeders or are you using the windowed 450 Ohm ladder line? The cost, availability, and relative ease of use make the windowed ladder line preferable to me. I have used both, and at 15 cents a foot or so for the commercial verion, building your own isn't worth it in my opinion. - Dr. Megacycle KK6MC/5
--
James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Sun, 3 Mar 2002 22:32:20 -0500
From: "George Osier" <gosier@twcny.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [121231] ARRL DX INT TOTALS
Message-ID: <008b01c1c32d$31076f40$0e714342@twcny.rr.com>

MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All !!!

Breakdown as follows:

20m   51 QSOs 153 PTS   28 MULTS
15m   45 QSOs 135 PTS   29 MULTS
10m 190 OSOs   570 PTS   62 MULTS

TOTALS:

286 QSOs   858 PTS   119 MULTS

102102 POINTS TOTAL

Had a Great time !!!! Many thanks to all the stations who had the patience
to grt the contact with my weak signal !!!

72s

George Osier , N2JNZ / QRP
President , Northern New York Contest Club

Date: Sun, 03 Mar 2002 20:42:29 +0000
From: "James R. Duffey" <jamesd1@flash.net>
To: <tracy@bytemark.com>, qrp-l <qrp-l@lehigh.edu>
Subject: [121232] Equivalent Radius of Flat Strip
Message-ID: <B8A83B35.1261B%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Tracy - Some time ago you asked about building antennas from flat tape.

You can convert the width of a flat strip into the radius of an equivalent
round conductor easily:

the equivalent radius , a, of a flat strip width, w, is:

a = 0.25w

So a 1 inch wide conductive tape is equivalent to a half inch diamter round conductor.

This from Kraus, Antennas 2nd edition, pg 368.

The length of a resonant dipole is a slowly varying function of the ratio of the half wavelength to conductor diameter. The adjustment, or K factor, is given in The Antenna Book, Chapter 2, Figure 8, page 2-5 in the 19th edition.

I hope that this helps. Sorry for the delay. - Dr. Megacycle KK6MC/5

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Sun, 3 Mar 2002 21:52:21 -0600
From: "Bill & Linda Milligan" <milligan@charter.net>
To: <reeves@abraxis.com>,
        "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [121233] RE: Open Wire Transmission Line
Message-ID: <002301c1c32f$fd099f30$0100a8c0@milligan>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="us-ascii"
Content-Transfer-Encoding: 7bit

George, I use a 135 foot dipole fed with about 70 feet of 450 ohm ladder line. Just outside the shack I use a 4:1 balun and a short piece of coax (maybe 8 ft.) to the K2. It tunes all bands with the K2's tuner and seems to work well. Perhaps a 1:1 balun would be better but I used what I had.

Bill K4BX
k4bx@charter.net

Date: Sun, 03 Mar 2002 21:06:34 +0000
From: "James R. Duffey" <jamesd1@flash.net>
To: <KD5NWA@mbayona.com>, qrp-l <qrp-l@lehigh.edu>

Subject: [121234] Re: Help on setting up my first station.
Message-ID: <B8A840DA.12620%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Cecil - Congratulations on getting the new rig. It sounds like you got a good deal. I prefer the 500 Hz CW filter. It is too easy to miss stations when tuning the band with the narrower filter. I find that the narrower filters are really only useful under very crowded conditions, like contest or fox hunting. If Ten-Tec doesn't have filters for the Corsair, then try International Radio. An active audio filter is a good adjucnct to the 500 Hz filter when you need better selectivity. Try finding a used Timewave DSP - 9 ($70), DSP-59 ($125),a DaTong FL2 or FL-3 ($45), or Bencher ZX-2 ($40). These will also improve SSB sleectivity. But get the IF filter first.

We will look for you on the air. - Dr. Megacycle KK6MC/5
--
James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Sun, 3 Mar 2002 20:09:45 -0800
From: "Alan Kaul" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121235] How to get your ARRL score to contesting reflector
Message-ID: <003f01c1c332$6c048060$af25cd18@charterpipeline.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The contesting reflector is a e-mailing list which enables you to see how well you did in a contest, in relation to the other entrants.

To POST your score:

First, navigate to:
http://216.133.253.197/arrldxs.php
and fill in the blanks.

then click SEND to mail your summary.

Then navigate to http://www.contesting.com/
and page up and click on the item marked "3830" on the lower left side of page.

That will take you to the current month's contest submissions. Check out the number of of QRP entries!!!!

Every few days or so, there's a summary sheet posted, so you can measure your score against the other entrants.

Best 72/73 de alan

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
http://home.att.net/~alan.kaul/index.html

Date: Sun, 3 Mar 2002 23:51:55 EST
From: W2SH@aol.com
To: qrp-l@lehigh.edu
Cc: reeves@abraxis.com
Subject: [121236] RE: Open Wire Transmission Line
Message-ID: <109.e647617.29b4576b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

George,

If your antenna tuner and operating position are going to be backed up against that window, then running the open-wire feeder through the window frame and then for just a couple of feet more indoors is OK. However, if your indoors run is going to be fairly long, say to another part of the room away from the window, then a modification is in order. Open-wire line likes to be balanced, and if one conductor is "disturbed" by the presence of foreign objects a foot or so away, then the other conductor should be equally disturbed. Secondly, if foreign objects are equally close to both conductors the characteristic impedance of the line will be affected at that point, and such impedance "bumps" aren't helpful. In both, foreign objects can be wet wood, embedded srews or nails, nearby wiring inside the wall, etc. Thirdly, it may be that drilling the sort of shape of hole or holes to pass the open-wire linwe is awkward.

A more elegant approach, and a safer one if you don't really know what foreign objects are in close proximity, is to shield the open wire feedline for the portion of its span that will be traversing a space where foreign

objects are or may be present. Two sufficiently long pieces of coax, and here RG-62 is a good choice because of its 93-Ohm characteristic impedance, can be taped together (spacing is unimportant because of the shielding) and pushed through an oval hole of modest proportions. Outside the shack the joined coax can run a couple feet before its inner conductors are soldered to the feeders so as to further remove the open-wire line from metal gutters or wet siding. Inside the shack, the inner conductors preferably go to a balanced antenna tuner, or, less desirably, to a huge current balun, e.g., a 4-kW job as sold by Radio Works. The two shields outside the shack are simply soldered to one another, and no more. Inside, the shields are soldered together and connected to the antenna tuner's ground. Yes, there is an impedance mismatch at the junction of the two coax lines and the open-wire feedline, but it is a lesser evil than that which befalls open-wire lines when they are in other than a pristine environment.

George, you're on the brink of making an admirably wise decision to switch away from coax. Nevertheless, be warned that that black stuff sold as"open-wire line", when checked with a yardstick, shows it to be about 55-percent closed. Its characteristic impedance is probably 60 Ohms less than the advertised 450 Ohms, and although this is unimportant, the wet weather performance and consequent losses are to be taken seriously. Furthermore, just about all the black stuff has steel, albeit thinly coated with copper, conductors, some of which are solid and some--the worst of the lot--are stranded. If you want to pull ahead of the pack and really travel first class, you need to get the "iron", and the stranding, out of the feedline (and the antenna as well). This means making, i.e., homebrewing, your open-wire feedline to live up to that appellation, with around 98-percent "openness", and with solid copper conductors bearing a thin but durable insulation (a few so-called "enamel" coatings stand up to an outdoors environment, but they are very expensive; special latex paints used for iron railings are a cheaper, yet worthy, alternative).

72/73,

Charles, W2SH

Date: Sun, 3 Mar 2002 23:51:23 -0500
From: "Mike Branca" <w3irz@att.net>
To: <qrp-l@Lehigh.EDU>
Subject: [121237] Re: Open Wire Transmission Line
Message-ID: <05a301c1c338$3cda2a00$a6ec5b0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The easy way George is to simply shut the window on the open wire. However if you have metal weather-strip you should put a credit card thickness of plastic between the metal and the wire. I have done this for years using 100 watts. In one house I had aluminum framed storm windows and I used feed thru devices in holes that I drilled in the frame. Also despite all the warnings you hear the stuff is pretty easy to use; just use common sense.

Mike Branca W3IRZ in Conyers Georgia

Date: Sun, 3 Mar 2002 22:50:25 -0700
From: "Floyd Smithberg" <nq7x@earthlink.net>
To: "QRP-L Message" <qrp-l@lehigh.edu>
Subject: [121238] ARRL DX SSB
Message-ID: <000901c1c340$7be8eb70$97823a41@FloydNQ7X>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Glad to see some of you took advantage of the great band condx this past weekend.
I managed to squeeze in about 12 hrs op time, all S&P, and worked the following:

BAND	Qs	PTS	Countries
40SSB	1	3	1
20SSB	42	126	30
15SSB	54	162	30
10SSB	111	333	41
	208	624	102

Score = 63,648points

Continent breakdown: NA 29
SA 25
EU 80
AF 4
ASIA 8
JA 47
OCEN 12

Used my TS850S at 5W PEP and TR 6.63a to 3 El tribander w/40m extender
TR listed TO4T as unknown, but was on Guadeloupe FG.
 Best S&P hourly rates were: 23,20,17,17,16,15,10,10,10 and lower
73 Floyd NQ7X Phoenix,AZ DM33VK

73 Floyd NQ7X Phoenix,AZ DM33VK

Date: Sun, 3 Mar 2002 22:41:55 -0800
From: "John Moriarity" <k6qq@hdo.net>
To: <reeves@abraxis.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121239] Re: Open Wire Transmission Line
Message-ID: <015301c1c347$add200c0$b25fa13f@johnslt>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I would appreciate any suggestions for routing the feeders into the
> shack. My shack is on the ground floor and has access to a window where
> the feeders could be routed. My question, for example, would be: should
> I use feed-thru connectors through a sheet of plywood? or how else?

George,

That would be fine for a permanent installation.

For years (temporary installation??) I have just
run it through the window, and closed the window
on it (loosely). Put something in the window to
keep the crooks from opening it, use some duct
tape to keep the wind out, and have fun.

(When I ran full legal power, I put a piece of
insulating material on each side of the line.)

I *do* plan to put feedthrough insulators in a
piece of heavy aluminum cut to fit the window
this year (yeah, sure!).

72,

John, K6QQ

Date: Mon, 04 Mar 2002 00:42:54 -0600
From: Don <dwittlic@APCI.net>
To: wb9iog@revealed.net,
        Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [121240] Re: Open Wire Transmission Line entry (long post)
Message-ID: <3C83176E.C321128D@APCI.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

How else?

Here are details of an installation in an older dwelling:

Using a half inch power drill and a masonry bit, drilled 3
holes through the solid brick wall. Two holes, at 1 ft
above the radio room floor for the feeder pair and a
centered lower hole for the station #4 copper ground. After
enlarging the feeder holes with a star drill and hammer, I
grouted in the foot-long porcelain tube insulators of the
type
made for knob and tube style house wiring. Nowadays such
tubes would be collector's items if you could find them.
Plastic conduit or plastic plumbing pipe would work OK.

The open wire feeder conductors coming down from the antenna
were terminated on the outdoor wall at a home built spark
gap. The spark gap was fashioned from a piece of fiberglass
mounting board which held (2) 3 inch tall cylindrical
standoff insulators and a large copper bolt as tall as
 the standoffs and mounted in between them. The copper
bolt was connected to the ground rod cable by a split bolt
connector. The two standoffs were each topped with an inch
wide x 1/8 inch thick copper plate. Those copper plates and
a similar copper plate on the grounding bolt formed the
spark gaps.

>From the spark gap standoffs, the antenna lead-in continued
as solid polyethylene insulated wire that was taken from
center conductor of RG-8. This poly insulated pair passed
through the porcelain tubes to the indoors. There it
attached to the two common (hinge) contacts of a big DPDT
knife switch which was mounted to hide the wall
penetrations.

A ground rod conductor went through the lower hole of the 3
wall penetrations and was caulked. Indoors, it connected to

the bottom 2 contacts of the knife switch. The upper 2 contacts of the knife switch had banana jacks for connecting the in-station portion of the antenna lead-in. This in-station wiring could be pulled off easily if bad weather was predicted.

The installation described above took some time to install, but it worked well until the station was relocated to a different room in the house a year later. The wall penetrations were then removed.

Seven years passed and the station was moved back to the room of the above described installation. The existing ground rods were still in place and reusable as found. The new wall penetration for feeder is made this way: Make a twisted pair from 2 pieces of insulated center conductor from solid dielectric mid size coax. Use a long electrician's bit and drill one hole through the wooden mullion between two windows. Drill low enough in the mullion to avoid the cast iron window weights. Install the twisted pair through the drilled hole and caulk on the outdoor side to be weatherproof. Terminate the indoor end of the twisted pair on an insulated board with (2) banana jacks for connecting the in-station part of the lead-in.

I do not believe the overall antenna system suffers from having twisted pair for 15 inches of the balanced feeder.
--Don   WN9V

>
> > All my life I have used coax to feed my dipole antennas.
> the feeders could be routed. My question, for example, would be: should
> > I use feed-thru connectors through a sheet of plywood? or how else?
> George
> WA4TNU

Date: Mon, 4 Mar 2002 00:20:21 -0800
From: "Mike Standbridge" <ve7mst@goldcity.net>
To: "QRP-l" <qrp-l@Lehigh.EDU>
Cc: "QRPp-I" <QRPp-I@yahoogroups.com>
Subject: [121241] Small Enclosures
Message-ID: <000b01c1c355$6e830000$9fdcc2cf@mike>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Good Morning to all,
I KNOW that no one on this list SMOKES CIGARETTES, but if they did, they might find that John Player has introduced a new cigarette called "Silver" (they can no longer be labelled as "Light", "Extra Light", etc. too many potential lawsuits). Anyway, they are the same size as the 25s but are tin with a plastic liner in the bottom. There HAS to be some king of radio gear that will fit inside. JFYI
72 de VE7MST

Date: Mon, 04 Mar 2002 06:33:09 -0500
From: "William K. Harding" <k4ahk@ix.netcom.com>
To: "QRP-L Mail" <qrp-l@lehigh.edu>
Subject: [121242] Time for NoVaQRP again
Message-ID: <E16hqgJ-0001M8-00@hall.mail.mindspring.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Greetings All:

Antenna raising season is almost over. It's only three weeks to the first of Spring and time for some pizza and fun with the Northern Virginia QRP group.

This coming Saturday, March 9, is the next gathering of NoVaQRP. Come to Mama's restaurant at Fairfax circle sometime after 11:30 am for pizza, tall tales and toys. We usually break up around
1:30 or 2:00 pm. Wear your call sign badge if you have one and bring a QSL card for the member log if you haven't already.

Directions to Mama's Restaurant:

This one is easy to find. First, get to Fairfax Circle. This is a traffic circle at the crossroads of Routes 29, 50 and 237 on the Northeast side of Fairfax City. This circle is about five miles West of the Beltway on Rt 50. Mama's is a block West of the circle on Rt 50, next door to the Harley Davidson dealership and on the same side of the road. You can't miss it. Lots of free parking.

If you are coming from Interstate 66, take the Nutley Street exit South to RT 29 and go Southwest to Fairfax Circle. The Nutley Street exit is where the last subway station is located.

Hope we see you there. Bring your favorite toys for show and tell.

Bill - K4AHK
Northern Virginia - FM18

Date: Mon, 4 Mar 2002 12:43:59 -0000
From: bejones@hursley.ibm.com
To: qrp-l@Lehigh.EDU
Cc: k7fd@hotmail.com
Subject: [121243] Re: ARRL DX: 100!
Message-ID: <3C836C0F.29349.B1EE4D@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

John
        CONGRATULATIONS!!! It's great to find other folks playing with QRP SSB. Some nice DX in the list too. Pity we didn't get to work each other.

I failed in my goal - to work 40 US states. Fell 2 short - can't believe I couldn't find KY which is usually fairly easy for me to work. Still picked up 2 new ones (SD and MS) so only need 7 (HI, NV, UT, ND, WY, ID and MT) for WAS.

Brian G0UKB
K2 #1115 10W SSB to 102' doublet @ 30'
Brian E Jones
Pervasive Computing Specialist
IBM HURSLEY

Date: Mon, 04 Mar 2002 07:04:55 -0600
From: Steve Yates - AA5TB <aa5tb@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [121244] Re: 30m 2002 DX so Far
Message-ID: <61NL3W4298KJECO06TPHYX07IHE3W.3c8370f7@pavilion>
MIME-version: 1.0
Content-type: text/plain; charset=windows-1252
Content-transfer-encoding: 7BIT

Larry,

30m is open 24 hours a day. It has characteristics of both the daylight upper

bands as well as the night time lower
bands. It is possible to work Europe and Australia at the same time. NVIS propagation is possible during the day with
folks in your own state and then work an Asian station near sundown.

Just to get a taste, tune into the CW station 4XZ in Israel on 10.046 MHz and All India Radio on 10.330 MHz AM if you
have the capability. You'll be amazed at how often you can hear these stations! All India Radio gets very strong here
in Texas near sunrise and sunset and their carrier can be detected nearly 24 hours a day (except for the few hours that
they are off the air). These two stations make for very nice propagation beacons. All India Radio actually consist of a
few simultaneous stations in India meant to be domestic broadcast only.

73,
Steve Yates - AA5TB

aa5tb@arrl.net
Fort Worth, TX - Grid EM12hu
http://www.qsl.net/aa5tb/

Date: Mon, 4 Mar 2002 08:24:29 -0600
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: <reeves@abraxis.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121245] Re: Open Wire Transmission Line
Message-ID: <00bf01c1c388$4fc0f9a0$0300000a@mcg.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

George,

You've received a lot of good answers and they will all work. Here is a =
little more information you might find useful. =20

First your antenna tuner. Even though it has a balanced output I would =
not use it. Must antenna tuners use a 4:1 voltage balun which can cause =
problems including producing harmonics. What you want is a 1:1 choke =
balun. You already have plenty of coax and it's running outside. I =
would suggest you use it to get just outside the house and coil about 8 =
to 10 turns about 8" to 6" in diameter to make your choke balun. The =

coil of coax could simple hang from a small "L" bracket on the side of =
the house. If you wish, a bead balun here would be better but not by =
much. Connect your ladder line to your coax and weather seal the =
connection. I too suggest you buy ladder line. I like the new =
heavyduty 300 ohm ladder line that has become available in the past few =
years.   Balanced feedline such as ladderline needs a little more =
attention to installation then coax but it's just as easy. If you make =
any turns in the run to the antenna make the turn smooth and gentle with =
a radius at least 4 times the width of the line. If your run parallels =
any close metal objects, within about ten line widths, like gutters, =
steel studs in the walls, or if you have stucco, twist the line about =
one turn per foot. This will balance out the effect of the metal. =
Going past perpendicular metal, like the roof edge gutters in not really =
a problem, just keep the line spaced a couple inches away. TV standoffs =
work well for this.   Don't be afraid to use cheap 300 ohm twinlead =
either if you wish, it just won't last as long in the weather and is =
fine for QRP levels.

Hope this Helps,

73 de Cla KA0GKC =20

Date: Mon, 4 Mar 2002 07:57:07 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121246] Re: 30m 2002 DX so Far
Message-ID: <000e01c1c38c$db879c60$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Folks,

Don't forget WWV ;-) Good tool for the international community.
(Not useful for me, see sig line, TX is only about 10-15 mi away)

If you have details of stations such as Steve mentioned, please
post them or at least email them to me. If the response is big
enough I'll put them on a web page for others to refer to. Let's
limit the range from 10.000 to about 10.500Mhz.

73, Rod N0RC
Fort Collins, CO

----- Original Text -----
Subject: Re: 30m 2002 DX so Far
From: Steve Yates - AA5TB (aa5tb@arrl.net)
Date: Mon Mar 04 2002 - 08:04:55 EST
>
> Larry,
...
> Just to get a taste, tune into the CW station 4XZ in Israel on
> 10.046 MHz and All India Radio on 10.330 MHz AM if you have
...
>
> 73,
> Steve Yates - AA5TB

Date: Mon, 04 Mar 2002 07:38:46 -0800
From: Elliott Lawrence <edl@pacbell.net>
To: Low Power/QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [121247] Re: HW-7 Manual---Sold
Message-ID: <3C839505.19AF2DA6@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

The HW-7 manual has been sold. Thanks for all of the interest.

72
Elliott WA6TLA

Date: Mon, 04 Mar 2002 15:47:58
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [121248] RE: Open Wire Transmission Line
Message-ID: <F249wlMlCPbkccOQZVI00001a37@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I am also in the process of setting up my first station and decided to go
the ladder line route. I made this choice for three main reasons: 1) I will
be operating from second floor and thought that this might best solve my RF
ground problem, 2) I have both space and "stealth" limitations that restrict

my possible options, and 3) with a center fed Zepp arrangement I reckon I will be able to use the antenna most versatily (is that a word?).

While I know that I could have bought ready made line, I am a homebrewing fool and so decided to make it myself. I recently completed installation of the run through my attic. It is comprised of #14 THHN solid wire held at 2" spacing. It runs down the length of my attic and exits the house through a vent. I used glass tubing to add extra insulation in routing the wires through the hardware cloth and vent louvres. The line is supported from the roof cross members by acrylic "plates" which I nailed in place. The plates have two notches and holes drilled 2" apart. The notches hold the wire in place and a bit of small wire is passed through the holes and wrapped around the line to hold it securely. Also, there are plastic tubing spacers wired in place between the spans as needed. At the other end of the attic the line passes through a vertical sheetrock wall into my putative shack. I reinforced the entry holes with plastic tubing. Said tubing was salvaged from a shoe store. Apparently they put these little plastic tubes in dress shoes and my son picked one up and was playing with it. "Hmmm", I thought, "THAT is just what I am looking for".

Am still in the process of building a balanced tuner and have not yet attached the antenna (which will be a dipole cut to 40 meters run down along the roof edge from the apex and then back at 90 degrees a short ways under the eaves).

Brad

____
Send and receive Hotmail on your mobile device: http://mobile.msn.com

---

Date: Mon, 04 Mar 2002 16:41:48 +0100
From: "Ingo, DK3RED" <dk3red@t-online.de>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [121249] Need clearing up
Message-ID: <3C8395BC.278A7A9B@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello QRPers,

I want to build a receiver, but I have trouble with a values for a transformer in it.

The original print was in the 1990 ARRL Handbook, Ch 30, p 1 ("A

Band-Imaging CW Receiver for 10 and 18 MHz"). I found the reprint in the "QRP Classics". My problem is the transformer T2 (after the IF mixer). The "QRP Classics" says

secondary: 36 turns on T68-1 -> 12.9 uH

If I calculate with 36 turns on this core than I get more than 12.9 uH (here 14.9 uH). So I think there is a typo in the reprint. What is the right one, the turns or the value? Can anybody see in the original source and point me the right one?

Thanks.

P.S. I have double checked my core values here on the Bytemark webpage.

--
72/73 de Ingo, DK3RED Don't forget: the fun is the power!
  dk3red@t-online.de http://www.qsl.net/dk3red
      DL-QRP-AG #824 http://www.dl-qrp-ag.de

Date: Mon, 04 Mar 2002 16:52:05 +0100
From: "Ingo, DK3RED" <dk3red@t-online.de>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [121250] Need clearing up (2)
Message-ID: <3C839825.1203A932@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello QRPers,

Ups, all values for the primary part (not the secondary).

--
72/73 de Ingo, DK3RED Don't forget: the fun is the power!
  dk3red@t-online.de http://www.qsl.net/dk3red
      DL-QRP-AG #824 http://www.dl-qrp-ag.de

Date: Mon, 4 Mar 2002 10:12:59 -0600
From: Mark R Milburn <mark.milburn@juno.com>
To: qrp-l@lehigh.edu
Subject: [121251] Mailing List for QRP Quarterly
Message-ID: <20020304.101301.-908759.0.MARK.MILBURN@juno.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The mailing list for the April issue of QQ will be sent to the printer at the end of this month. To insure that you are on it, it would be a good thing to:

1. Check the club web page at http://www.qrparci.org and click on "member lookup". By entering either your call or your member number, you will be shown your subscription ending date. You can then see if you need to renew.

2. If you have either changed your mailing address...or your email address...tell the membership guy (me) about it so we can keep in touch and get your magazine delivered without problems. My email address is:
mark.milburn@juno.com or you can use kq0i@arrl.net

We're still taking payments by PayPal, or you can send checks payable to QRP ARCI to:

QRP ARCI
c/o Mark Milburn, KQ0I
117 E. Philip St.
Des Moines, Iowa 50315

Checks must be payable on banks in North America. Unfortunate, but our banks charge such high fees for other checks or money orders that we just can't afford to handle them. See the web site for other possibilities.

Thanks for your cooperation. You can really help the club by taking care of your renewals in a timely way.

72, Mark, KQ0I #2667
Secretary-Treasurer QRP ARCI
IM markkq0i ICQ# 133862108

Date: Mon, 4 Mar 2002 11:14:00 -0500
From: Harris Keith E CONT CNIN <harris_k@crane.navy.mil>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [121252] Tuner for Trade
Message-ID: <213CBBCE200DD6119CEF00B0D0D0D52E22AD8B@cninnmciexch1.crane.navy.mil>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Gang,
    I have a friend who would like to do a little trading. I said I'd see if anyone on the QRP List was interested.

    He has an MFJ-945E Antenna Tuner, new with manual although the box it came in disappeared.
It's good for base or mobile and has dc lighting.

    He would like to trade for:

        3 rechargeable HT batteries and charger for a Radio Shack HTX-202, 2m HT.

                or

        A used HT in good condition with manual (or a new one with manual)

    Please contact N3ZEQ direct at <rlh122349@msn.com>

Thanks and 73 de N9KH

Date: Mon, 4 Mar 2002 11:20:29 -0500
From: "Mike Boatright" <ko4wx@mindspring.com>
To: "NOGA QRP Club" <nogaqrp@mailman.qth.net>, <qrp-l@Lehigh.EDU>
Subject: [121253] Slightly OT, but definitely construction Fun!
Message-ID: <NFBBILMKCMIILGKAJMBLOEOLCDAA.ko4wx@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

http://draco.mit.edu/teddyborg/index.html

Actually, this could be less OT that it might seem. Some guys in NOGA QRP have been using programs like PC Anywhere to remotely operate PSK31 stations...so this could definitely be a useful station accessory!

;-0

72 de Mike, KO4WX

Date: Mon, 4 Mar 2002 10:45:00 -0600
From: Mark Fields <mark_ke5my@juno.com>
To: qrp-l@lehigh.edu
Cc: fpqrp-l@mpna.com, hqrp@stevens.com
Subject: [121254] OT: Looking for photocopy of manual for old laptop
Message-ID: <20020304.104606.-80431.2.mark_ke5my@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dear Friends:
      I have an old Toshiba T-1000 laptop that I picked up at a swapfest some months ago. As is often the case, it didn't come with a manual. Does anyone have a manual for that model (this is the original T-1000, not one of its successors) that they could photocopy for me **very in-expensively**? I know that there are companies like Sams Publishers, but they usually charge quite a lot, even for short manuals, and I'm on a fixed income. Thanks in advance.

73, Mark, KE5MY
QRP-L #2365
FPQRP-L # 416

_____
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http://dl.www.juno.com/get/web/.

Date: Mon, 04 Mar 2002 09:37:42 -0800
From: Norm Melick <henmel@worldnet.att.net>
To: qrp-l@Lehigh.EDU
Subject: [121255] Re: Oscilloscope Elmer needed in the Denver area! (I'll bring Lunch!)
Message-ID: <3C83B0E6.88E9A423@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For some excellent reading material, try this:

http://www.tek.com/Measurement/cgi-bin/framed.pl?Document=/Measurement/App_Notes/XYZs/&FrameSet=oscilloscopes

If you want to download the full manual in PDF format, click on "print full primer". This is a great manual on O'scopes. You can purchase this manual direct from Tektronix.

Then, try this url: http://courses.ncsu.edu:8020/ece480/common/htdocs/

click on the box labeled "scopes"

Hope this helps

Norm/KQ6SD

Date: Mon, 4 Mar 2002 09:57:59 -0800
From: Mark Schoonover <schoon@amgt.com>
To: "'ko4wx@mindspring.com'" <ko4wx@mindspring.com>,
        Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [121256] RE: Slightly OT, but definitely construction Fun!
Message-ID: <BF889CEBEFD2D511B993009027F60ABE155496@AG-JASMINE-NT4>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

A much better program than PCAW is VNC. Runs on all kinds of HW and is GPL.
I use it extensivly for remote admin...

72

--{ Mark E Schoonover KA6WKE
--{ Senior Hacker, IS Gopher, Hardware Fiend
--{ American Geotechnical
--{ http://www.qsl.net/ka6wke
--{ ka6wke@amsat.org

          /"\
          \ /   ASCII Ribbon Campaign
           X   Against HTML Mail
          / \

-----Original Message-----
From: Mike Boatright [mailto:ko4wx@mindspring.com]
Sent: Monday, March 04, 2002 8:20 AM
To: Low Power Amateur Radio Discussion
Subject: Slightly OT, but definitely construction Fun!

http://draco.mit.edu/teddyborg/index.html

Actually, this could be less OT that it might seem. Some guys in NOGA QRP have been using programs like PC Anywhere to remotely operate PSK31 stations...so this could definitely be a useful station accessory!

;-0

72 de Mike, KO4WX

Date: Mon, 04 Mar 2002 13:16:17 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [121257] Re: Small Enclosures
Message-ID: <5.1.0.14.1.20020304131322.00a6fb80@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:20 AM 3/4/2002 -0800, you wrote:
>I KNOW that no one on this list SMOKES CIGARETTES, but if they did, they
>might find that John Player has introduced a new cigarette called "Silver"
>(they can no longer be labelled as "Light", "Extra Light", etc. too many
>potential lawsuits). Anyway, they are the same size as the 25s but are tin
>with a plastic liner in the bottom. There HAS to be some king of radio gear
>that will fit inside. JFYI
>72 de VE7MST

Somehow calling one's rig the "pack of smoke" seems oddly appropriate. Or "Smoker's Delight," or ... you get the idea.

Thanks for the heads-up!

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 4 Mar 2002 12:41:09 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <WD8CIV@worldnet.att.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [121258] Re: Small Enclosures
Message-ID: <00d801c1c3ac$2a6a8620$6d11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A few months ago Camel sold it's Turkish Gold brand in a smallish tin.
Thing was only about .25" deep so it would probably only be good for a
surface mount kit... was fairly wide though... about 4 1/2" by 4 1/2". Has
a hinged lid too, which would make it kinda neat!

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! http://www.qsl.net/kc0bom

AIM - kc0bom, jimrob4 --- MSN - jimrob@jetnetinc.net
Y! - kc0bom --- ICQ - 114690148

----- Original Message -----
From: David Hinerman <WD8CIV@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, March 04, 2002 12:16 PM
Subject: Re: Small Enclosures

At 12:20 AM 3/4/2002 -0800, you wrote:
>I KNOW that no one on this list SMOKES CIGARETTES, but if they did, they
>might find that John Player has introduced a new cigarette called "Silver"
>(they can no longer be labelled as "Light", "Extra Light", etc. too many
>potential lawsuits). Anyway, they are the same size as the 25s but are tin
>with a plastic liner in the bottom. There HAS to be some king of radio
gear
>that will fit inside. JFYI
>72 de VE7MST

Somehow calling one's rig the "pack of smoke" seems oddly appropriate. Or
"Smoker's Delight," or ... you get the idea.

Thanks for the heads-up!

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 4 Mar 2002 13:47:51 -0500
From: "Brian" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121259] Re: Small Enclosures
Message-ID: <000701c1c3ad$1660dd90$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Or Rob...try this, if it has a shiny lid on the inside you can amuse
yourself by playing "Look at the Doofus" every time you open it.

<grin>

----- Original Message -----
From: "Rob Matherly" <kc0bom@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, March 04, 2002 1:41 PM
Subject: Re: Small Enclosures

> A few months ago Camel sold it's Turkish Gold brand in a smallish tin.
> Thing was only about .25" deep so it would probably only be good for a
> surface mount kit... was fairly wide though... about 4 1/2" by 4 1/2".
Has
> a hinged lid too, which would make it kinda neat!
>
> 72/73/oo
> Rob, kc0bom
> ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19
>
> -----
> Visit my website! http://www.qsl.net/kc0bom
>
> AIM - kc0bom, jimrob4 --- MSN - jimrob@jetnetinc.net
> Y! - kc0bom --- ICQ - 114690148
>
> ----- Original Message -----
> From: David Hinerman <WD8CIV@worldnet.att.net>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

> Sent: Monday, March 04, 2002 12:16 PM
> Subject: Re: Small Enclosures
>
>
> At 12:20 AM 3/4/2002 -0800, you wrote:
> >I KNOW that no one on this list SMOKES CIGARETTES, but if they did, they
> >might find that John Player has introduced a new cigarette called
"Silver"
> >(they can no longer be labelled as "Light", "Extra Light", etc. too many
> >potential lawsuits). Anyway, they are the same size as the 25s but are
tin
> >with a plastic liner in the bottom. There HAS to be some king of radio
> gear
> >that will fit inside. JFYI
> >72 de VE7MST
>
> Somehow calling one's rig the "pack of smoke" seems oddly appropriate. Or
> "Smoker's Delight," or ... you get the idea.
>
> Thanks for the heads-up!
>
> Dave
>
>
> ---------------------------------------
> Dave Hinerman
> WD8CIV@worldnet.att.net
>
>

Date: Mon, 4 Mar 2002 12:51:58 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <brian@iquest.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121260] Re: Small Enclosures
Message-ID: <011e01c1c3ad$ab6a1820$6d11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Only if I taped a picture of you to the underside of the lid ;^)

72/73/oo
Rob, kc0bom

ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! http://www.qsl.net/kc0bom

AIM - kc0bom, jimrob4 --- MSN - jimrob@jetnetinc.net
Y! - kc0bom --- ICQ - 114690148

----- Original Message -----

Or Rob...try this, if it has a shiny lid on the inside you can amuse
yourself by playing "Look at the Doofus" every time you open it.

<grin>

Date: Mon, 4 Mar 2002 13:57:57 EST
From: W2SH@aol.com
To: qrp-l@lehigh.edu
Cc: carlseye@tampabay.rr.com
Subject: [121261] RE: Coax
Message-ID: <a9.23cf811e.29b51db5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Try Dan's Small Parts. He had RG-188/U at very reasonable pricing.

GL,

Charles, W2SH

Date: Mon, 4 Mar 2002 13:57:58 EST
From: W2SH@aol.com
To: qrp-l@lehigh.edu
Cc: bfollett@msn.com
Subject: [121262] RE: Not QRP! Need a small set of 'boots'?
Message-ID: <a1.237e3552.29b51db6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

This sounds like something which would be much more likely to be used at the home QTH rather than for backpacking. Assuming that you've got house current at the former, why not try this:

Perhaps it is due to having grown up with hollow-state electronics, but it strikes me that it would be much simpler to build an amplifier to boost QRP rigs, either linear or class C, with tubes. I would go for an anemic approach, i.e., low iron, meaning no plate or filament transformers. AC-DC rigs should and can be made safe. Choose tubes whose heater voltage requirements add up to approximately 120 Volts. B plus voltages higher than 120 volts can be supplied by voltage doublers or triplers using silicon diodes. There are plenty of beam power tubes with heater voltages between 25 and 50 Volts and plate dissipations of 5 to 30 Watts selling for a buck or two each.

Go glowbuggers!

GL es 72/73,

Charles

Date: Mon, 4 Mar 2002 13:52:44 -0800
From: "W2WU" <w2wurjj@verizon.net>
To: <ka0gkc@arrl.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121263] Re: Open Wire Transmission Line
Message-ID: <002401c1c3c8$dc5ad3a0$71c2fea9@w2wu>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="Windows-1252"
Content-Transfer-Encoding: 7bit

List members:
Correct, certain antenna tuners may degrade into high pass filters. They have capacitors in the active leg and are shunted by the inductor.

You can eliminate this undesirable circuit by placing one or two inductors in the active leg that are shunted by capacitors. This is known as the L network & pi network. Broadcast Stations use the latter matching network to eliminate degradation into high pass filters.

Most rigs have internal low pass filters, therefore using the standard circuit has minimal if any impact on harmonics.

There are two types of balun: Coke and Voltage. Any balun can have

different ratios.

If the antenna is unbalanced, coax feeders radiate and coax has greater attenuation than open wire line. Therefore use of an ATU with open wire line provides a single antenna capable of multiband operation.

Suggestion: Remove all internal baluns. Put balun on input. Simply place ferrite beads at each end and center of coax cable length. See ARRL Antenna Book. Designed by W2OBJ, W7EL, Walt Maxwell. Balun tested and in use at W2OBJ & W2WU.

Manufactures will not make a better unit due to cost. 73, Ron, W2WU
----- Original Message -----
From: Cla KA0GKC <ka0gkc@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: 04 March, 2002 06:24
Subject: Re: Open Wire Transmission Line

> George,
>
> You've received a lot of good answers and they will all work. Here is a little more information you might find useful.
>
> First your antenna tuner. Even though it has a balanced output I would not use it. Must antenna tuners use a 4:1 voltage balun which can cause problems including producing harmonics. What you want is a 1:1 choke balun. You already have plenty of coax and it's running outside. I would suggest you use it to get just outside the house and coil about 8 to 10 turns about 8" to 6" in diameter to make your choke balun. The coil of coax could simple hang from a small "L" bracket on the side of the house. If you wish, a bead balun here would be better but not by much. Connect your ladder line to your coax and weather seal the connection. I too suggest you buy ladder line. I like the new heavyduty 300 ohm ladder line that has become available in the past few years. Balanced feedline such as ladderline needs a little more attention to installation then coax but it's just as easy. If you make any turns in the run to the antenna make the turn smooth and gentle with a radius at least 4 times the width of the line. If your run parallels any close metal objects, within about ten line widths, like gutters, steel studs in the walls, or if you have stucco, twist the line about one turn per foot. This will balance out the effect of the metal. Going past perpendicular metal, like the roof edge gutters in not really a problem, just keep the line spaced a couple inches away. TV standoffs work well for this. Don't be afraid to use cheap 300 ohm twinlead either if you wish, it just won't last as long in the weather and is fine for QRP levels.
>
> Hope this Helps,

>
> 73 de Cla KA0GKC
>

Date: Mon, 04 Mar 2002 14:13:33 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: W2SH@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [121264] Re: Not QRP! Need a small set of 'boots'?
Message-ID: <3C83C75D.FACB8095@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Many years ago, there was a small amplifier designed and built for the HW-7. It was entitled "Boots for the HW-7"! I believe it appears in Solid State Design but I am not sure! In any event, a search of QST indices will turn it up!

73

Date: Mon, 4 Mar 2002 14:29:59 -0500
From: "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
To: qrp-l@Lehigh.EDU
Subject: [121265] RE: Slightly OT, but definitely construction Fun!
Message-ID: <OF88D93D39.162FF97E-ON85256B72.006AFD50@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

VNC is available:

http://www.uk.research.att.com/vnc/

It's a great remote control program. Best still? It's free!

73,
Steve
aa8af

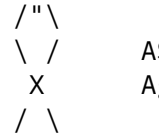
Mark Schoonover <schoon@amgt.com>
Sent by: owner-qrp-l@Lehigh.EDU
03/04/2002 12:57 PM
Please respond to schoon

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
cc:
Subject: RE: Slightly OT, but definitely construction Fun!

A much better program than PCAW is VNC. Runs on all kinds of HW and is GPL.
I use it extensivly for remote admin...

72

--{ Mark E Schoonover KA6WKE
--{ Senior Hacker, IS Gopher, Hardware Fiend
--{ American Geotechnical
--{ http://www.qsl.net/ka6wke
--{ ka6wke@amsat.org



ASCII Ribbon Campaign
Against HTML Mail

-----Original Message-----
From: Mike Boatright [mailto:ko4wx@mindspring.com]
Sent: Monday, March 04, 2002 8:20 AM
To: Low Power Amateur Radio Discussion
Subject: Slightly OT, but definitely construction Fun!

http://draco.mit.edu/teddyborg/index.html

Actually, this could be less OT that it might seem. Some guys in NOGA QRP have been using programs like PC Anywhere to remotely operate PSK31 stations...so this could definitely be a useful station accessory!

;-0

72 de Mike, KO4WX

Date: Mon, 4 Mar 2002 10:37:51 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Cla KA0GKC <ka0gkc@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [121266] Re: Open Wire Transmission Line
Message-ID: <Pine.LNX.4.33.0203041032360.2803-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Cla, I must say your claim that a 4:1 balun increases harmonic output is pure bunk! A 4:1 balun has nothing NOTHING in it that's non-linear. The only correct fault of the 4:1 balun is that it doesn't keep an unbalanced line balanced well.

There a lots of MFJ tuners using a 4:1 balun in them and many are feeding a balanced load through that balun. George should have no problem with it. I have none with mine.

On Mon, 4 Mar 2002, Cla KA0GKC wrote:

> George,
>
> You've received a lot of good answers and they will all work. Here is a little more information you might find useful.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
http://www.zianet.com/k5di/

Date: Mon, 4 Mar 2002 13:36:51 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: "Flying Pigs" <fpqrp-L@mpna.com>,
"Low Power Amateur Radio Discussion" <qrp-L@lehigh.edu>,
Subject: [121267] OT: Value of Heathkit Oscilliscope?
Message-ID: <015e01c1c3b3$f149ea40$6d11a541@intern01>
MIME-Version: 1.0

Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all;

I have a Heathkit Oscilloscope here I'm wanting to unload... anyone have an idea on what I should ask for it? If anything, it's good for the oddball tubes and massive PS transformer in it :^)

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! http://www.qsl.net/kc0bom

AIM - kc0bom, jimrob4 --- MSN - jimrob@jetnetinc.net
Y! - kc0bom --- ICQ - 114690148

Date: Mon, 04 Mar 2002 19:55:26
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: kc0bom@arrl.net
Cc: qrp-l@lehigh.edu
Subject: [121268] Re: GB> OT: Value of Heathkit Oscilliscope?
Message-ID: <F262O6hm8Ua8d9Ee4za0000055e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Rob Matherly" <kc0bom@arrl.net>
>I have a Heathkit Oscilloscope here I'm wanting to unload... anyone have an
>idea on what I should ask for it?

Well, that depends. If you just want to unload it, price it at what would make you satisfied. If you want to know what the market will bear, check E-Bay. :-)

Brad

_____
Join the world s largest e-mail service with MSN Hotmail.

http://www.hotmail.com

Date: Mon, 4 Mar 2002 14:01:01 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: "Brad Hernlem" <alihernlem@hotmail.com>
Cc: <qrp-l@lehigh.edu>
Subject: [121269] Re: GB> OT: Value of Heathkit Oscilliscope?
Message-ID: <017d01c1c3b7$517a8520$6d11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Lol, I was thinking about checking there... maybe I'll run into a
fanatical-millionaire Heathkit collector ;^)

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! http://www.qsl.net/kc0bom

AIM - kc0bom, jimrob4 --- MSN - jimrob@jetnetinc.net
Y! - kc0bom --- ICQ - 114690148

----- Original Message -----

Well, that depends. If you just want to unload it, price it at what would
make you satisfied. If you want to know what the market will bear, check
E-Bay. :-)

Brad

Date: Mon, 4 Mar 2002 14:04:56 -0600
From: "Thor - N9IK" <n9ik@thorlind.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121270] RE: Value of Heathkit Oscilliscope?
Message-ID: <NEBBLNLOELOIHIEKHCPAAECKCPAA.n9ik@thorlind.com>
MIME-Version: 1.0
Content-Type: text/plain;

        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It's probably not what you want to hear, but I only paid $5.00 for mine (an
IO-12) at a ham fest a couple years ago. And it works.

> Hi all;
>
> I have a Heathkit Oscilloscope here I'm wanting to unload...
> anyone have an
> idea on what I should ask for it? If anything, it's good for the oddball
> tubes and massive PS transformer in it :^)

Date: Mon, 04 Mar 2002 15:08:38 EST
From: Mercxx@aol.com
To: <qrp-l@lehigh.edu>
Subject: [121271] For trade or Sale
Message-ID: <3b.22e9bd62.29b52e46@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Good afternoon,
   I have a Ten Tec 509 with external CW filter and the KR-40 keyer for trade or
sale. I would like to trade for something small and portable to take on trips
with me such as the Elecraft K-1 etc.... I will also entertain offers. Thanks for
your time...

73
Steve
N4TKP

Date: Mon, 4 Mar 2002 15:17:33 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>
Subject: [121272] April 5, 2002
Message-ID: <001601c1c3b9$9f5fb420$98e65cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;

        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi,

 On April 5, 2002 Ed, WA3WSJ and myself, WB3AAL, will be making our way to Atlanticon 2002 Forum in Maryland. We plan on going to the Inner Harbor and operate from the Lightship Chesapeake. Not sure if we will be QRP or QRO for this operation. Plan to be on the air after 15:00 UTC. We are going to try loading up the antenna on the ship. We will be on the air for a few hours. Then we plan to go have a great seafood dinner before coming up to the hotel for the Atlanticon festivities. More information when we are closer to that date.

72
Ron Polityka
WB3AAL
www.n3epa.org

Date: Mon, 4 Mar 2002 12:19:22 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <k5di@zianet.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [121273] Re: Open Wire Transmission Line
Message-ID: <004c01c1c3b9$f71ca420$e39cb2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Karl,

If you really take a look at what the 4:1 balun is expected to do and where it is located in the tuner, these manufacturers are incorrect! If anything, a balun should be at the input of the tuner! Or, if you want to take a look around and find an old Johnson Matchbox, a true Link Coupled Balanced Line Tuner, it uses NO BALUN! The only tuner I know of that is currently manufactured that does it right for ladder line is Bliss Tuner at:
http://airwaterkinginc.purification.com/BlissZMatchMaster.htm Real nice, but not cheap.

Read this page for information on why not to use a balun:

http://www.vcnet.com/measures/bbat.html

Here's what L. B. Cebik has to say:

http://www.cebik.com/link.html

There are plans for a good BLT in Bill Orr's book "Simple Low-Cost Wire Antennas for Radio Amateurs" along with a very straight forward explanation of how to build a true Multi-Band Dipole using ladder line. I bought this book at HRO. I've done a LOT of reading over the last 2 years on the subject of ladder line antennas, and it all points to one common thing, "DON'T USE A BALUN ON THE OUTPUT". Since we are operating QRP, you want to get as much power radiated from the antenna as possible, Using a 4:1 Balun that comes in these little tuners causes big losses! Also I might add that after I got rid of my Balun, and started using a Johnson Matchbox, the RX signals improved a lot! I was really able to hear weak signals much better.

This seems to be one area (not the only one) that we've taken a step backwards in as far as the kind of tuners that you can buy commercially since the 50's/60's. Anyway, I'll get off of my soap box now....Take care...

72/73's
Trev
KG6CYN

----- Original Message -----
From: Karl F. Larsen <k5di@zianet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, March 04, 2002 9:37 AM
Subject: Re: Open Wire Transmission Line

>
> Cla, I must say your claim that a 4:1 balun increases harmonic output
is
> pure bunk! A 4:1 balun has nothing NOTHING in it that's non-linear.
The
> only correct fault of the 4:1 balun is that it doesn't keep an
unbalanced
> line balanced well.
>
> There a lots of MFJ tuners using a 4:1 balun in them and many are
> feeding a balanced load through that balun. George should have no
problem
> with it. I have none with mine.

>
> On Mon, 4 Mar 2002, Cla KA0GKC wrote:
>
> > George,
> >
> > You've received a lot of good answers and they will all work. Here
is a little more information you might find useful.
>
> --
> Yours Truly,
>
>   - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
>   http://www.zianet.com/k5di/
>
>

Date: Mon, 4 Mar 2002 14:31:44 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <n9ik@thorlind.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121274] Re: Value of Heathkit Oscilliscope?
Message-ID: <018f01c1c3bb$9c3c9040$6d11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dang, mine's an IO-14, maybe there's a big price jump between the two ;^)

I guess if that's all I could expect to get from it, I could sell the parts
individually... I'm sure I could at least get 20 out of the PS
transformer.

Heck, maybe I'll just take it apart and build a Glowbug out of it :^)

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPp-I #19

Visit my website! http://www.qsl.net/kc0bom

AIM - kc0bom, jimrob4 --- MSN - jimrob@jetnetinc.net
Y! - kc0bom --- ICQ - 114690148

----- Original Message -----
From: Thor - N9IK <n9ik@thorlind.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, March 04, 2002 2:04 PM
Subject: RE: Value of Heathkit Oscilliscope?

It's probably not what you want to hear, but I only paid $5.00 for mine (an IO-12) at a ham fest a couple years ago. And it works.

> Hi all;
>
> I have a Heathkit Oscilloscope here I'm wanting to unload...
> anyone have an
> idea on what I should ask for it? If anything, it's good for the oddball
> tubes and massive PS transformer in it :^)

Date: Mon, 04 Mar 2002 11:35:41 -0900
From: Jim Larsen - AL7FS <AL7FS@ARRL.NET>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [121275] Great remote control program - VNC
Message-ID: <3C83DA9D.CC2B551@ARRL.NET>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Resending to myself with revised subject line so I can find it again
when I need it.

Thanks for the link.

73, Jim

-------- Original Message --------
Subject: RE: Slightly OT, but definitely construction Fun!
Date: Mon, 04 Mar 2002 14:29:59 -0500

VNC is available:

        http://www.uk.research.att.com/vnc/

It's a great remote control program. Best still? It's free!

Date: Mon, 04 Mar 2002 16:16:55 -0500
From: <winjones@ix.netcom.com>
To: w6toy@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [121276] Re: Not QRP! Need a small set of 'boots'?
Message-ID: <Springmail.105.1015276615.0.85126200@www.springmail.com>

It was in the ARRL Handbook for 1977. Also, in an older QST, somewhere around 1973-74. I can make a copy from the 1977 Handbook, if needed.
73, Winston K4CWQ

w6toy@erols.com wrote:
> Many years ago, there was a small amplifier designed and built for the HW-7. It was entitled "Boots for the HW-7"! I believe it appears in Solid State Design but I am not sure! In any event, a search of QST indices will turn it up!

73

Date: Mon, 4 Mar 2002 16:25:43 -0500
From: "Pastor-KC1DI" <elbc@pivot.net>
To: <fxtech@earthlink.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121277] Re: Open Wire Transmission Line
Message-ID: <006601c1c3c3$251ed060$8aa7ba42@dor>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The ZM 2 Zmatch will also do a good Job for Balanced line without a tuner, of course it will only do about 10 watts but if you want to home brew one you can go up to about 250 watts fairly easily.. Just finding a good cheap source for the Caps today is a pain.
73 Dave

----- Original Message -----
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, March 04, 2002 3:19 PM

Subject: Re: Open Wire Transmission Line

> Karl,
>
> If you really take a look at what the 4:1 balun is expected to do and
> where it is located in the tuner, these manufacturers are incorrect! If
> anything, a balun should be at the input of the tuner! Or, if you want
> to take a look around and find an old Johnson Matchbox, a true Link
> Coupled Balanced Line Tuner, it uses NO BALUN! The only tuner I know of
> that is currently manufactured that does it right for ladder line is
> Bliss Tuner at:
> http://airwaterkinginc.purification.com/BlissZMatchMaster.htm Real nice,
> but not cheap.
>
> Read this page for information on why not to use a balun:
>
> http://www.vcnet.com/measures/bbat.html
>
> Here's what L. B. Cebik has to say:
>
> http://www.cebik.com/link.html
>
> There are plans for a good BLT in Bill Orr's book "Simple Low-Cost Wire
> Antennas for Radio Amateurs" along with a very straight forward
> explanation of how to build a true Multi-Band Dipole using ladder line.
> I bought this book at HRO. I've done a LOT of reading over the last 2
> years on the subject of ladder line antennas, and it all points to one
> common thing, "DON'T USE A BALUN ON THE OUTPUT". Since we are operating
> QRP, you want to get as much power radiated from the antenna as
> possible, Using a 4:1 Balun that comes in these little tuners causes big
> losses! Also I might add that after I got rid of my Balun, and started
> using a Johnson Matchbox, the RX signals improved a lot! I was really
> able to hear weak signals much better.
>
> This seems to be one area (not the only one) that we've taken a step
> backwards in as far as the kind of tuners that you can buy commercially
> since the 50's/60's. Anyway, I'll get off of my soap box now....Take
> care...
>
> 72/73's
> Trev
> KG6CYN
>
> ----- Original Message -----
> From: Karl F. Larsen <k5di@zianet.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Sent: Monday, March 04, 2002 9:37 AM

> Subject: Re: Open Wire Transmission Line
>
>
> >
> > Cla, I must say your claim that a 4:1 balun increases harmonic output
> is
> > pure bunk! A 4:1 balun has nothing NOTHING in it that's non-linear.
> The
> > only correct fault of the 4:1 balun is that it doesn't keep an
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> > There a lots of MFJ tuners using a 4:1 balun in them and many are
> > feeding a balanced load through that balun. George should have no
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> >
> > On Mon, 4 Mar 2002, Cla KA0GKC wrote:
> >
> > > George,
> > >
> > > You've received a lot of good answers and they will all work. Here
> is a little more information you might find useful.
> >
> > --
> > Yours Truly,
> >
> >   - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> >   http://www.zianet.com/k5di/
> >
> >
>
>

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.330 / Virus Database: 184 - Release Date: 2/28/02

Date: Mon, 4 Mar 2002 16:03:17 -0500
From: nilsbull@juno.com
To: QRP-L@lehigh.edu
Subject: [121278] TEA5551
Message-ID: <20020304.161847.-207085.0.nilsbull@juno.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Man, this is gonna be interesting.

I got in the mail today three TEA5551s from SHF Microwave. Them's the no discontinued Phillips one-chip AM radio ICs that I'd also looked at in this ongoing (and now on-again/off-again) "I made my own radio" project.

Yeah, I knew they were SMD. Yeah, I knew I was gonna have to cobble some kind of "platine" together just to put one in the protoboarding thingie. But I had no idea how teensie-weensie them's is. It took me a while to find 'em in the ghostturds.

So there here. And I've been sidetracked by cold weather (the Dremel tool drill press &c is out in the outhouse) and a desire to at least show some kind of radio after all this gibberin'. So I'm home-brewin' my own version of the 40-9er/FOXX3/Pixie/Whateverelseisoutthere direct-conversion receiver & 1 W transmitter. Which means I have about 3 NE602s and a couple NE612s to blow up.

But them little wires on that '5551 is scary, dude!

73

Nils
 . . . I am beginning to think it's easier to get on the air than it is to get on the air, if you know what I mean . . .

Nils R. Bull Young -- El Gringo Errante --
La Estancia de los Guajolotes Sonrientes -- W8IJN --
http://w8ijn.tripod.com
"The island is closer than your memories are." -- Ian G. Bull Young, 11 Feb 2002
_____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/web/.

Date: Mon, 4 Mar 2002 16:56:55 -0500
From: "Pastor-KC1DI" <elbc@pivot.net>
To: <elbc@pivot.net>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121279] Re: Open Wire Transmission Line
Message-ID: <000e01c1c3c7$81117e00$8aa7ba42@dor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

sorry text should have said " without a Balun" insted of "tuner"

----- Original Message -----
From: "Pastor-KC1DI" <elbc@pivot.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, March 04, 2002 4:25 PM
Subject: Re: Open Wire Transmission Line

> The ZM 2 Zmatch will also do a good Job for Balanced line without a tuner,
> of course it will only do about 10 watts but if you want to home brew one
> you can go up to about 250 watts fairly easily.. Just finding a good cheap
> source for the Caps today is a pain.
> 73 Dave
>
> ----- Original Message -----
> From: "Trevor Jacobs" <fxtech@earthlink.net>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Monday, March 04, 2002 3:19 PM
> Subject: Re: Open Wire Transmission Line
>
>
> > Karl,
> >
> > If you really take a look at what the 4:1 balun is expected to do and
> > where it is located in the tuner, these manufacturers are incorrect! If
> > anything, a balun should be at the input of the tuner! Or, if you want
> > to take a look around and find an old Johnson Matchbox, a true Link
> > Coupled Balanced Line Tuner, it uses NO BALUN! The only tuner I know of
> > that is currently manufactured that does it right for ladder line is
> > Bliss Tuner at:
> > http://airwaterkinginc.purification.com/BlissZMatchMaster.htm Real nice,
> > but not cheap.
> >
> > Read this page for information on why not to use a balun:
> >
> > http://www.vcnet.com/measures/bbat.html
> >
> > Here's what L. B. Cebik has to say:
> >

> > http://www.cebik.com/link.html
> >
> > There are plans for a good BLT in Bill Orr's book "Simple Low-Cost Wire
> > Antennas for Radio Amateurs" along with a very straight forward
> > explanation of how to build a true Multi-Band Dipole using ladder line.
> > I bought this book at HRO. I've done a LOT of reading over the last 2
> > years on the subject of ladder line antennas, and it all points to one
> > common thing, "DON'T USE A BALUN ON THE OUTPUT". Since we are operating
> > QRP, you want to get as much power radiated from the antenna as
> > possible, Using a 4:1 Balun that comes in these little tuners causes big
> > losses! Also I might add that after I got rid of my Balun, and started
> > using a Johnson Matchbox, the RX signals improved a lot! I was really
> > able to hear weak signals much better.
> >
> > This seems to be one area (not the only one) that we've taken a step
> > backwards in as far as the kind of tuners that you can buy commercially
> > since the 50's/60's. Anyway, I'll get off of my soap box now....Take
> > care...
> >
> > 72/73's
> > Trev
> > KG6CYN
> >
> > ----- Original Message -----
> > From: Karl F. Larsen <k5di@zianet.com>
> > To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> > Sent: Monday, March 04, 2002 9:37 AM
> > Subject: Re: Open Wire Transmission Line
> >
> >
> > >
> > > Cla, I must say your claim that a 4:1 balun increases harmonic output
> > is
> > > pure bunk! A 4:1 balun has nothing NOTHING in it that's non-linear.
> > The
> > > only correct fault of the 4:1 balun is that it doesn't keep an
> > unbalanced
> > > line balanced well.
> > >
> > > There a lots of MFJ tuners using a 4:1 balun in them and many are
> > > feeding a balanced load through that balun. George should have no
> > problem
> > > with it. I have none with mine.
> > >
> > > On Mon, 4 Mar 2002, Cla KA0GKC wrote:
> > >
> > > > George,
> > > >

> > > > You've received a lot of good answers and they will all work. Here
> > is a little more information you might find useful.
> > >
> > > --
> > > Yours Truly,
> > >
> > >   - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> > >   http://www.zianet.com/k5di/
> > >
> > >
> >
> >
>
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (http://www.grisoft.com).
> Version: 6.0.330 / Virus Database: 184 - Release Date: 2/28/02
>
>

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Checked by AVG anti-virus system (http://www.grisoft.com).
Version: 6.0.330 / Virus Database: 184 - Release Date: 2/28/02

Date: Mon, 4 Mar 2002 14:59:47 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Trevor Jacobs <fxtech@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [121280] Re: Open Wire Transmission Line
Message-ID: <Pine.LNX.4.33.0203041449380.2105-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Trev, I have been down this path last year. I even went to the trouble
of measuring the MFJ tuner and the results are on my web page for you all
to see. If the impedance of the balanced input gets too low the tuner loss
increases to bad to very bad loss. So you do need to be careful.

The MFJ has a simple way to use the 4:1 balun. It puts the 2 balanced
input wires on the balun high impedance side and grounds 1 output wire and
puts the other to the output of a Tee tuner.

I don't understand Cebik's setup where he gets high loss through a MFJ tuner. He just says it's bad and the other type works much better. I use one on all bands and chase the Fox with it with pretty good success. I hear the Fox real well most of the time. Getting him to hear me is sometimes a problem...:-)

On Mon, 4 Mar 2002, Trevor Jacobs wrote:

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> >   http://www.zianet.com/k5di/
> >
> >
>
>

--
Yours Truly,

      - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
                         http://www.zianet.com/k5di/

Date: Mon, 4 Mar 2002 17:38:29 -0500
From: "Ed Tanton" <n4xy@earthlink.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [121281] RE: TEA5551
Message-ID: <003601c1c3cd$4eee5a00$c39efea9@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="us-ascii"
Content-Transfer-Encoding: 7bit

Nils... check with Jeff Sloane [sloane@jenmat.com] for his prototyping board: <http://www.jenmat.com/proto.htm> . I think they're just what you're looking for.

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: http://www.n4xy.com

All emails <IN> & <OUT> checked by
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LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA   GACW   QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of nilsbull@juno.com
Sent: Monday, March 04, 2002 4:03 PM
To: Low Power Amateur Radio Discussion
Subject: TEA5551

Gang,

Man, this is gonna be interesting.

I got in the mail today three TEA5551s from SHF Microwave. Them's the no discontinued Phillips one-chip AM radio ICs that I'd also looked at in this ongoing (and now on-again/off-again) "I made my own radio" project.

Yeah, I knew they were SMD. Yeah, I knew I was gonna have to cobble some kind of "platine" together just to put one in the protoboarding thingie. But I had no idea how teensie-weensie them's is. It took me a while to find 'em in the ghostturds.

So there here. And I've been sidetracked by cold weather (the Dremel tool drill press &c is out in the outhouse) and a desire to at least show some kind of radio after all this gibberin'. So I'm home-brewin' my own version of the 40-9er/FOXX3/Pixie/Whateverelseisoutthere direct-conversion receiver & 1 W transmitter. Which means I have about 3 NE602s and a couple NE612s to blow up.

But them little wires on that '5551 is scary, dude!

73

Nils
 . . . I am beginning to think it's easier to get on the air than it is to get on the air, if you know what I mean . . .

Nils R. Bull Young -- El Gringo Errante --
La Estancia de los Guajolotes Sonrientes -- W8IJN --
http://w8ijn.tripod.com "The island is closer than your memories are."
-- Ian G. Bull Young, 11 Feb 2002
_____
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http://dl.www.juno.com/get/web/.

Date: Mon, 4 Mar 2002 15:56:57 -0700
From: Damon Raphael <w7md@azstarnet.com>
To: jim-c@nc.rr.com,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [121282] Re: OH0NL (That's OHzeroNL) Legit or Pretender?
Message-ID: <200203042256.PAA18569@cepheus.azstarnet.com>
Content-Type: text/plain;
  charset="iso-8859-1"
MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Aland Islands is not "rare". It is a summer vacation spot. The operation was probably legit.

73,
Damon W7MD

---snip
> Today I started researching this station. The OHzero prefix is Aland
> Island between Sweden and Finland. Apparently there have been several
> DXpeditions there, but nothing on the web site about anything going on
> now. Do you suppose that this guy is legit, or just someone having fun
> pretending to be rare DX? This all occurred sometime after 0300Z and
> the frequency was 10.106.2. Last night was not a good night for me, my
> K2 and my attic dipole. Oh, well, the fun is in the chase and not
> necessarily in the catching.
>
> 72/73,
>
> Jim
> W4BQP K2 #2268

Date: Mon, 04 Mar 2002 18:45:00 -0800
From: Paul Stroud <aa4xx@ipass.net>
To: "qrssknights@cnts.be" <qrssknights@cnts.be>
Cc: qrp-l@lehigh.edu
Subject: [121283] AA4XX 30M 100uW QRSS Beacon summary
Message-ID: <3C84312C.6ABCE85E@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

The Saturday/Sunday 100 microwatt beacon session was a real "dog and
pony" show.

A number of stations listened hard, with most listeners not hearing or
seeing any evidence of RF. Thanks to KD1YV, W0CH, VE7SL, ON5EX, and
K0CNT for their "NIL heard" reports.

AK0B reported one brief period where he started seeing evidence of the
signal.
N4SO also had a brief period where he pulled out the letter "N."
AE5K took the cake by somehow copying three of the four codeword
letters, "P,O, and N." Don, you were so close to "PONY."

It looks like 100uW on 30M may be pushing the limit for most paths, but
we'll keep trying from time to time.

72 es happy listening.   -Paul, AA4XX   near Raleigh, NC

Date: Mon, 04 Mar 2002 18:55:06 -0500
From: Ed Kessler <edkess@pa.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [121284] Chassis Mount N Connector Needed
Message-ID: <5.0.2.1.0.20020304185222.009e6ba0@mail.pa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Everyone,

Do any of you have a chassis mount N connector in your junk box that you'd
be willing to part with? This is not a typical QRP part and I don't have
one in my collection of stuff. I'd be glad to pay a reasonable price plus
shipping for one.

73
Ed AA3SJ

Date: Mon, 04 Mar 2002 18:53:30 -0500
From: David Gilson <kd3em@velocity.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [121285] logging programs
Message-ID: <3C8408FA.1162787@velocity.net>
MIME-Version: 1.0
Content-Type: text/html; charset=us-ascii
Content-Transfer-Encoding: 7bit

<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>
Hello to everyone,
<p>I'm looking for a logging program that will work with Window CE 2.0.
any good web sites out there or any one knows of one. It doesn't
need to be loaded with a lot of bells and whistles.
<p>Thank You
<p>de Dave KD3EM</html>

End of QRP-L Digest 2484

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